

M 6.1, 173km ESE of San Jose del Cabo, Mexico

Origin Time: 2020-05-22 08:46:06 UTC (Fri 01:46:06 local)

Location: 22.4028° N 108.1636° W Depth: 10.0 km

Created: 1 day, 0 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

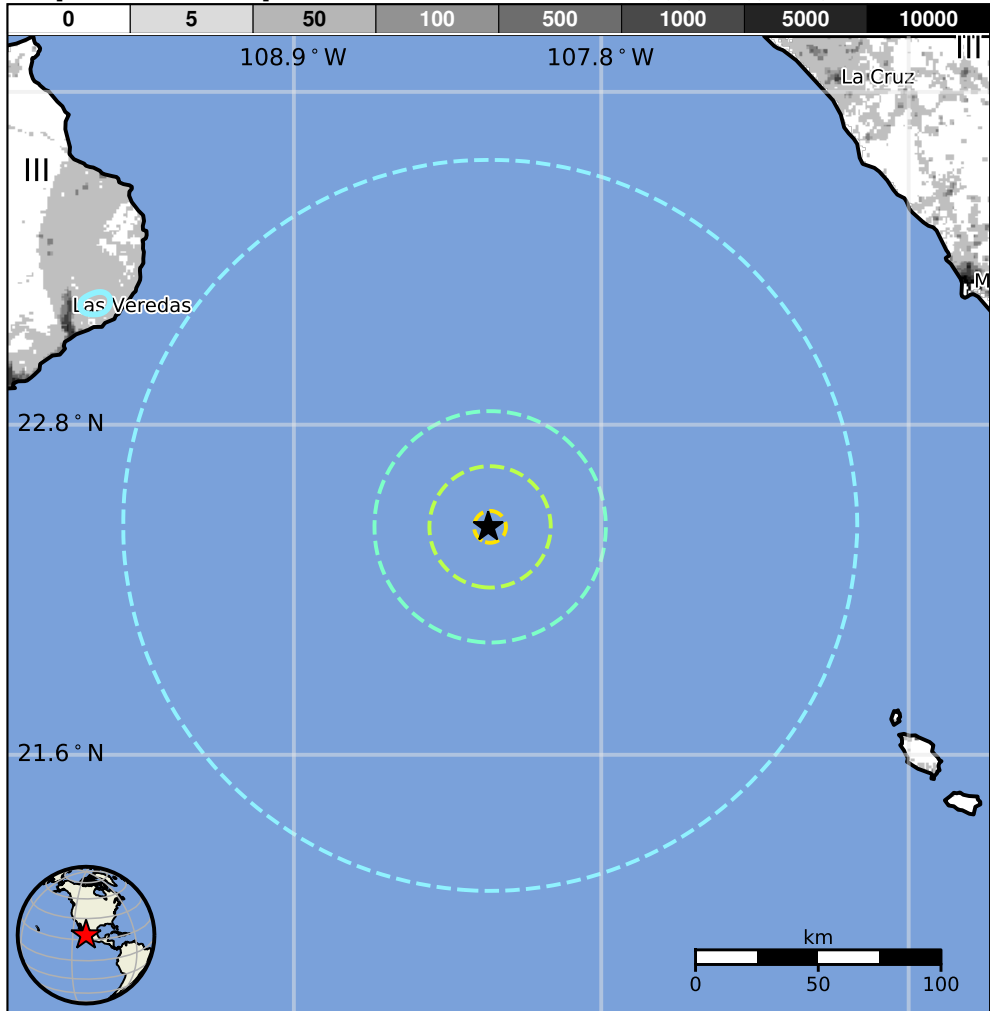


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | —* | 434k* | 404k | 0 | 0 | 0 | 0 | 0 | 0 |
|---|-----------------------|----------|--------|-------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 2007-09-01 | 324 | 6.1 | V(17k) | — |
| 1990-03-16 | 284 | 6.1 | V(534k) | — |
| 1995-06-30 | 315 | 5.7 | VI(170k) | — |

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|-----------------------------|-------------|
| IV | Mazatlan | 355k |
| IV | San Jose del Cabo | 49k |
| IV | Empaque Tarriba | 1k |
| IV | Fraccionamiento los Angeles | 6k |
| IV | La Playa | 1k |
| IV | Las Veredas | 10k |
| IV | Pueblo Nuevo | 2k |
| III | La Cruz | 16k |
| III | El Carrizo | 5k |
| III | Cabo San Lucas | 43k |
| III | San Ignacio | 4k |

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us70009n5p#pager>

bold cities appear on map.

(k = x1000)

Event ID: us70009n5p